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**60/372,625** **15 April 2002 (15.04.2002)** **US**(71) Applicant (for all designated States except AT, US): **NOVARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).**(71) Applicant (for AT only): **NOVARTIS PHARMA GMBH [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).**

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SUTTON, Paul, Allen [US/US]; 34 Irvington Road, Parsippany, NJ 07054 (US).**(81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.**(84) Designated States (regional): **Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).****Published:**

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **CRYSTAL FORMS OF N-(TRANS-4-ISOPROPYLCYCLOHEXYLCARBONYL)-D-PHENYLALANINE**

(57) Abstract: New crystal forms of N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine, also known as nateglinide, may be produced by dissolving nateglinide in any of its forms, including solvates, in an organic solvent to form a solution followed by precipitation of nateglinide from the solution, and isolating and drying the precipitated crystal form of nateglinide. The precipitation of nateglinide may be induced either by cooling the solution, or by addition of another solvent which is miscible with the first solvent but in which nateglinide is only poorly soluble, or by combination of the two. Depending on the solvent a specific crystal form of nateglinide may be obtained, e.g., the R'-type crystal form of nateglinide produced by the described method has a different melting point, infra red spectra and X-ray diffraction patterns from the previously known crystal forms of nateglinide.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03864

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07C233/63 C07C231/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, WPI Data, EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 463 116 A (M. SUMIKAWA ET AL) 31 October 1995 (1995-10-31) cited in the application the whole document	1,2
A	--- DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; retrieved from STN Database accession no. 2001:625224 XP002249976 abstract & G. LI ET AL: YAOXUE XUEBAO, vol. 36, no. 7, 2001, pages 532-534,	1
P,A	--- WO 03 022251 A (ALEMBIC LTD) 20 March 2003 (2003-03-20) the whole document	1,2

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Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Van Amsterdam, L

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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